



UnTide Website Documentation

and Requirements

- Semester Project ‘UnTide’ -

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CS160 - Section 03

By Team 4:

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Project Repository: [DannyDahNerd/CS160SemesterProject](https://github.com/DannyDahNerd/CS160SemesterProject): Oceans and whatnot



I. Introduction

The ocean covers 70% of the Earth's surface. Not only is it home to over 2 million species, it is crucial to life on land as well—from climate regulation to food and energy, the wellbeing of the planet and all its inhabitants is entwined with the health of the ocean. Unfortunately, this health is threatened on multiple fronts. Climate change, pollution and overfishing (among many other factors) affect the ocean's temperature, currents, and habitats. In order to address this situation, efforts must be made on multiple fronts, and by many different kinds of people. Our app attempts to help address the decaying and dirtying beaches of our planet is called UnTide: a crowdsourcing app to organize and track beach cleanup efforts. The application is built with **React** on the frontend and leverages **Appwrite**—a backend SaaS for backend authentication and SQL database. UnTide will utilize location-based, user-created pins when creating cleanup events which share related information with other users, such as the date, time, location, and any other important information.

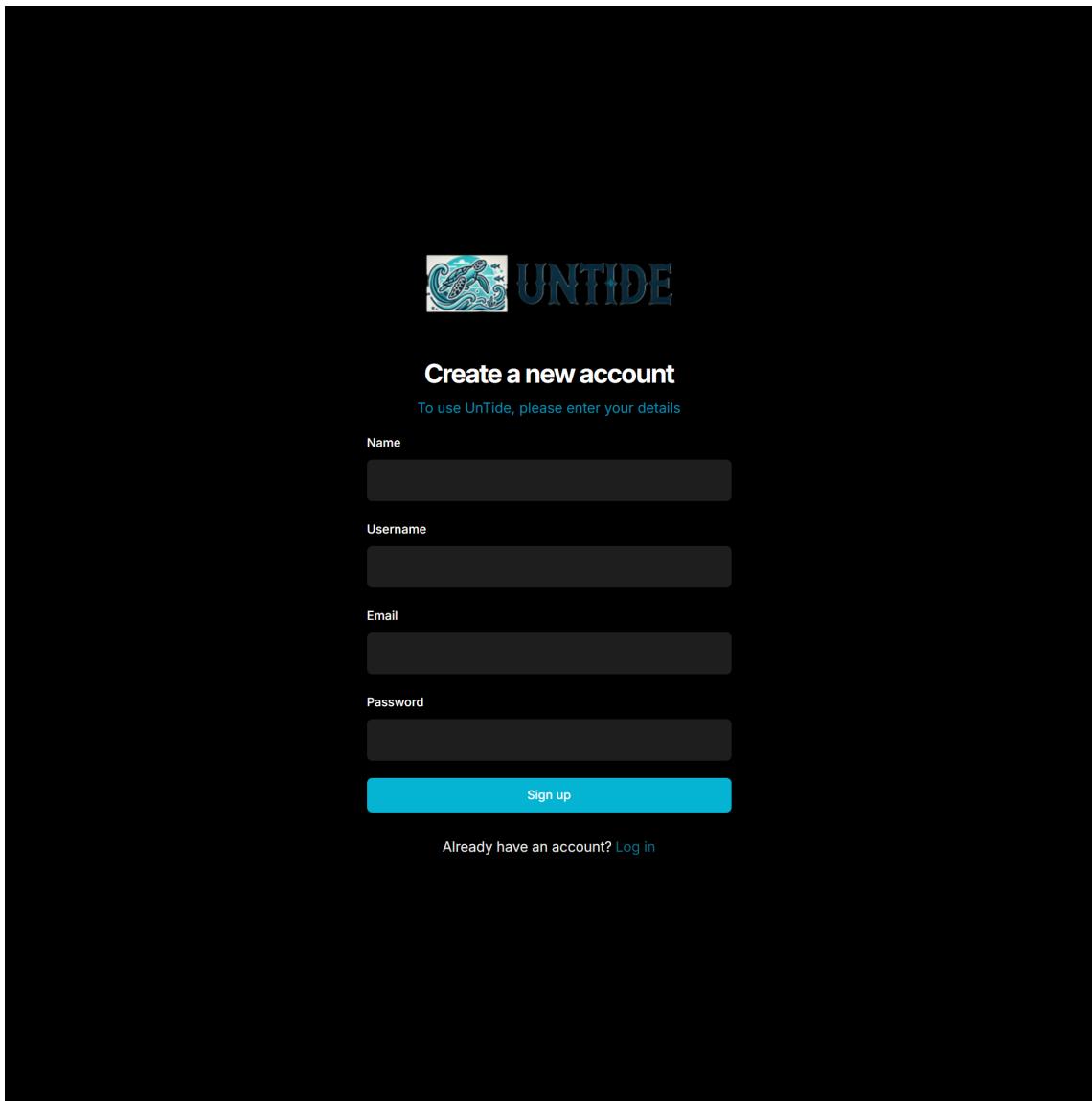
UnTide allows users to create customizable accounts, set up beach cleanup event posts with location-based pins, save posts, and view other users' profiles. The next sections will document all of UnTide's functions.





II. Account Creation

Individuals can sign up for a user account to interact with others on UnTide.



The screenshot shows the 'Create a new account' page. At the top, there is a logo consisting of a stylized sea turtle and the word 'UNTIDE'. Below the logo, the heading 'Create a new account' is displayed in bold black text. A sub-instruction 'To use UnTide, please enter your details' follows. There are four input fields labeled 'Name', 'Username', 'Email', and 'Password', each with a corresponding dark grey input box. At the bottom of the form is a blue 'Sign up' button. Below the button, a link 'Already have an account? Log in' is visible.

A user account must be created with the user's name, account username, an email address, and a password. As soon as the profile is created, the user can begin to create events and view events from other users. If the user already has an existing account, they may instead click on the 'Log In' button below the sign up menu.



III. Account Log In

Users can enter their account credentials in this menu and log in to UnTide.

The screenshot shows the UnTide login interface. At the top is the UnTide logo. Below it, the text "Log in to your account" and "Welcome back! Please enter your details". There are two input fields: one for "Email" containing "daniel.chuklebov@sjsu.edu" and one for "Password" containing "*****". Below these is a blue "Sign in" button. At the bottom, there is a link "Don't have an account? [Sign up](#)".

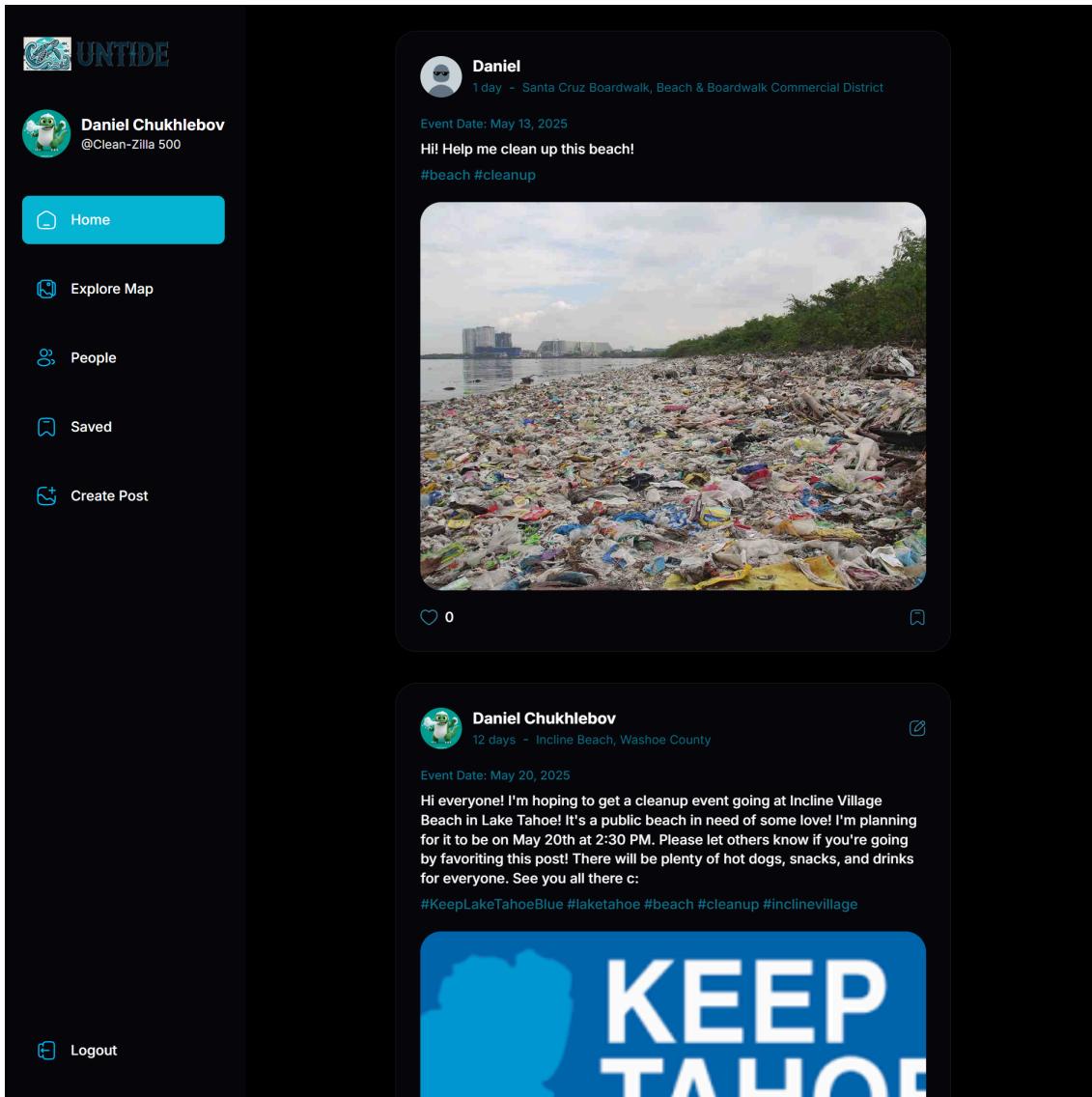
The log in menu allows users to enter their account details in order to authenticate them and allow them to sign in to UnTide. If an individual does not have an account yet, they can create a new account by following the 'Sign Up' link at the bottom of the menu.



UNTIDE

IV. Home

The Home screen provides users with an easily accessible page from which they can access all of UnTide's features, as well as view the event feed.



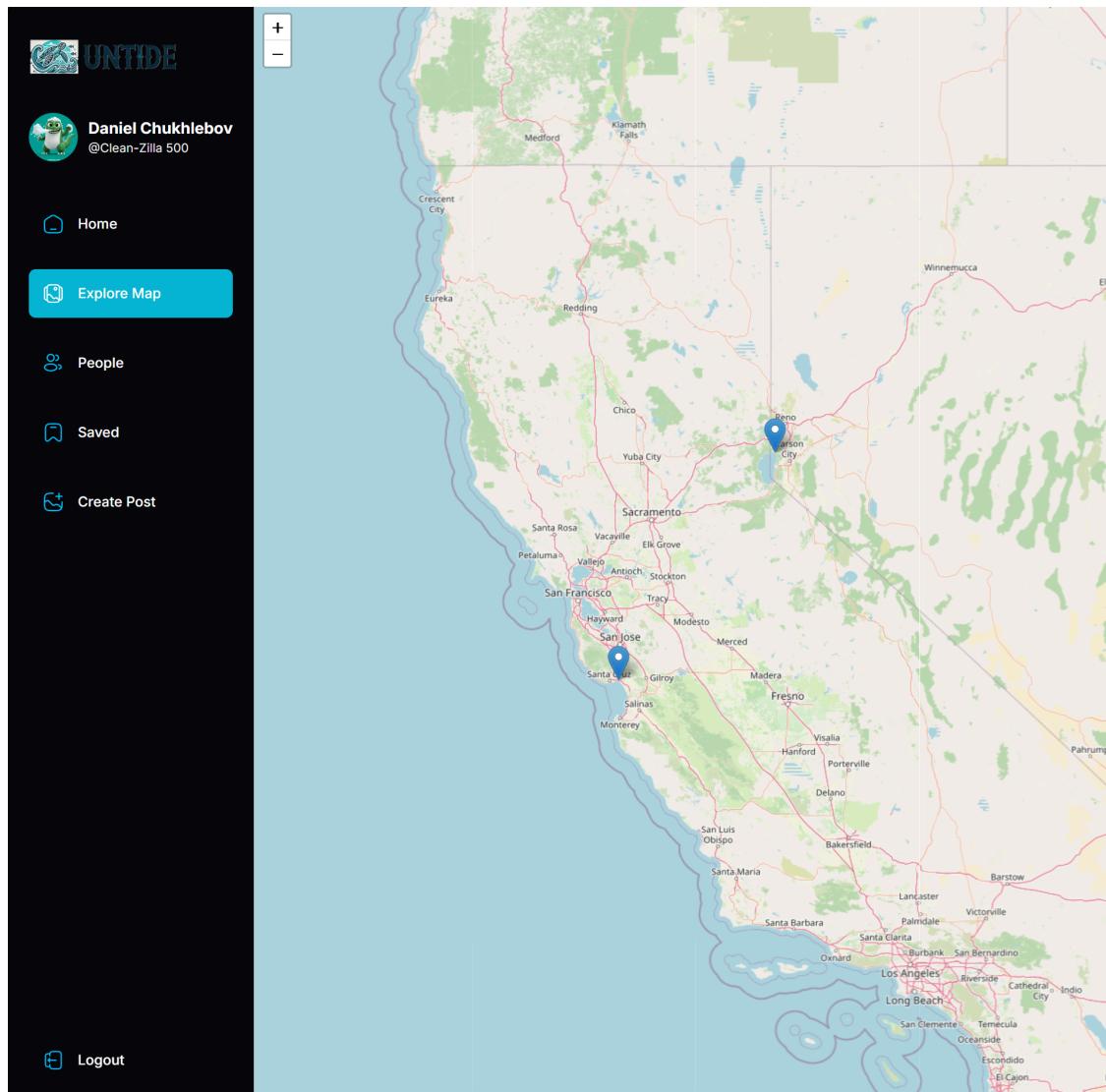
In the home screen, users can access the Explore Map, People, Saved, and Create Post pages through a simple, easily navigated sidebar. The center of the home screen features an event feed, where events created by users are displayed and sorted by latest ones first. Users can like an event post, see its date, location, the event creator, and save the post. The user can use the 'Logout' button at the bottom left of the home page to log out of UnTide.



UNTIDE

V. Explore Map

The Explore Map allows users to view all ongoing cleanup events, which are marked as pins for easy viewing.

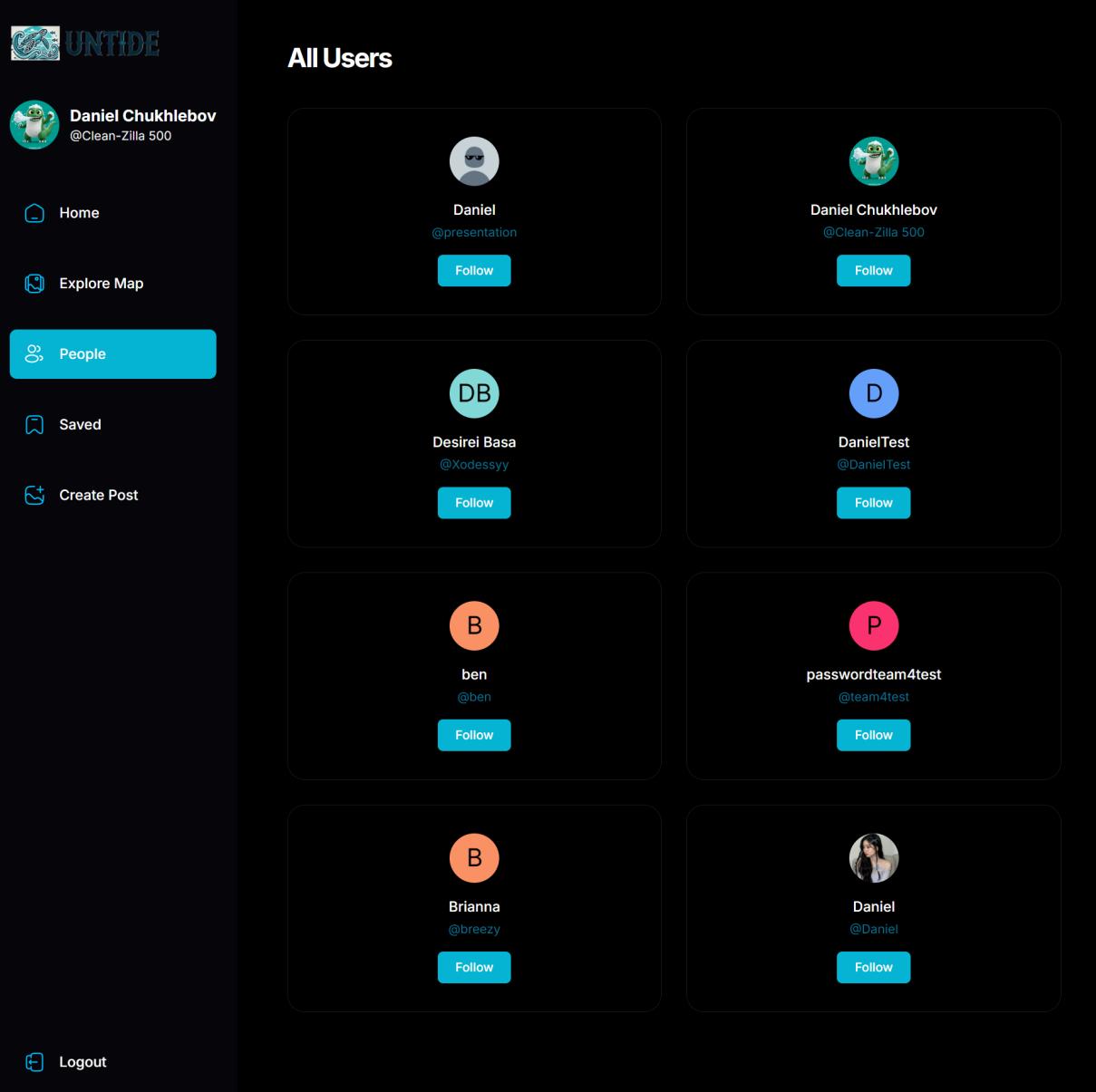


In the Explore Screen, users can see all current beach cleanups on a map. Users can navigate the map by dragging and zooming in and out to see larger or smaller areas. If the user zooms out significantly, then cleanup pins will be truncated as a single circle showing the number of pins in the general area. If the user clicks on the circle, they will automatically be zoomed in to the area where those cleanup pins are. By clicking on the pins themselves, the user can see the location, date, and description of the cleanup event.

They can also follow a ‘View Event’ link to go directly to the cleanup post itself.

VI. People

The People page allows users to view all other existing accounts on UnTide.



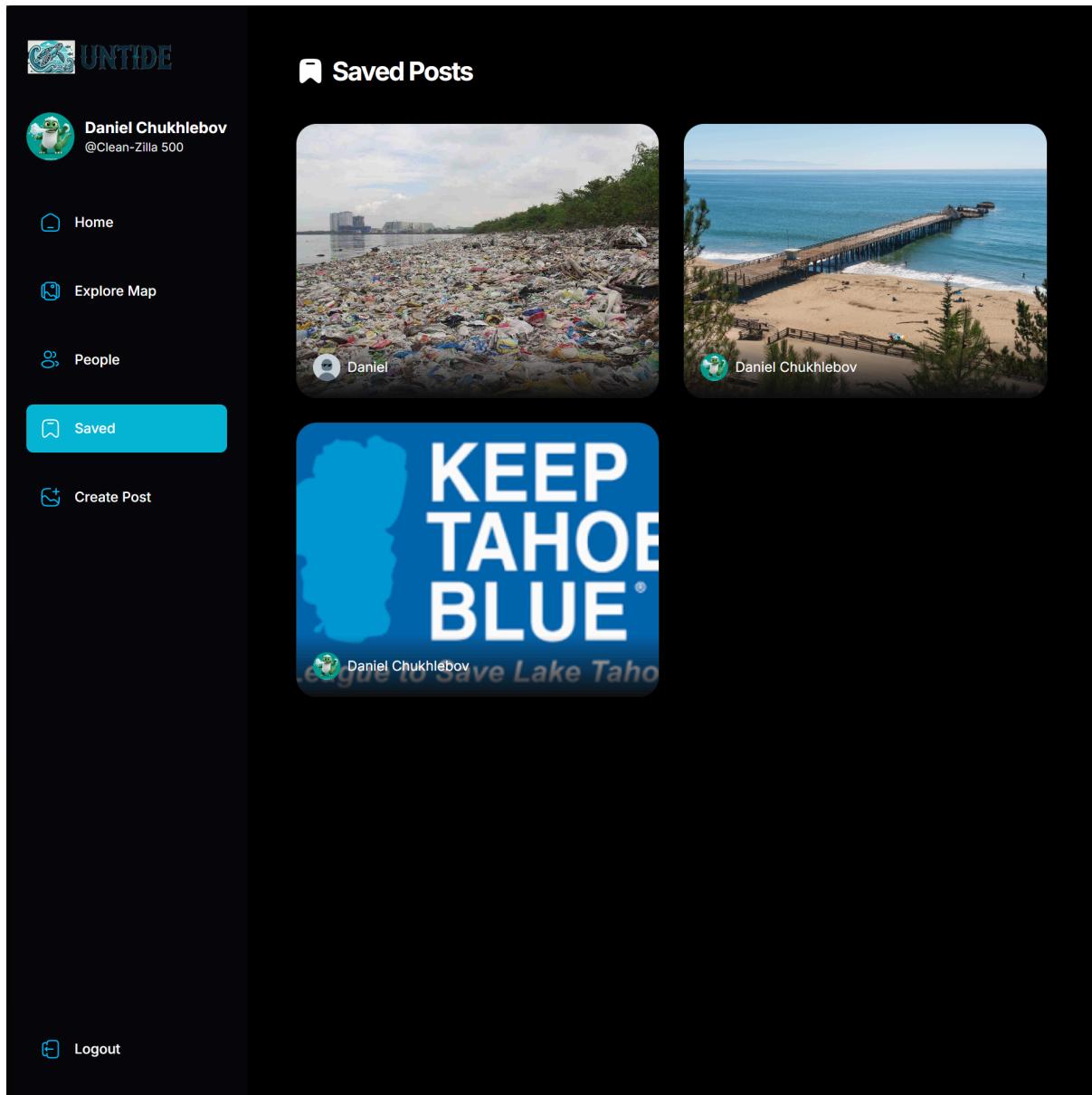
The screenshot shows the 'All Users' page on the UnTide mobile application. On the left, there is a sidebar with the following navigation options: Home, Explore Map, People (which is highlighted with a blue background), Saved, Create Post, and Logout. The main content area is titled 'All Users' and displays a grid of user profiles. Each profile card contains a user icon, the username, the display name, the handle, and a 'Follow' button. The profiles listed are:

- Daniel Chukhlebov (@Clean-Zilla 500)
- Daniel (@presentation)
- Daniel Chukhlebov (@Clean-Zilla 500)
- Desirei Basa (@Xodesyy)
- DanielTest (@DanielTest)
- ben (@ben)
- passwordteam4test (@team4test)
- Brianna (@breezy)
- Daniel (@Daniel)

In the People page, users can see other UnTide users. They can click on the 'Follow' button to follow a user and be directed to that user's profile page. They can also see their profile picture and the username that user signed up to UnTide with.

VII. Saved Posts

The Saved page allows users to view saved posts.



In the Saved page, users can view all the posts that they have saved. This is especially useful if the user wants to make sure they do not lose a page in the home feed, or simply want to navigate to it easily. By clicking directly on the posts, the user will be directed to the post page. Each post also shows its event image and the poster's name and profile picture.



UNTIDE

VIII. Create Post

The Create Post allows users to create beach cleanup posts and fill out necessary information.

Daniel Chukhlebov
@Clean-Zilla 500

Home
 Explore Map
 People
 Saved

Create Post

Caption
Post 4th of July Beach Cleanup! Please show up to Seaciff State Beach for a beach cleanup event after the 4th of July! There's bound to be some trash after the celebrating, and the beach is big, so I'm really hoping to get some more people together. I'll be bringing a ton of food, drinks, and other snacks. Don't forget to bring your own sunscreen!

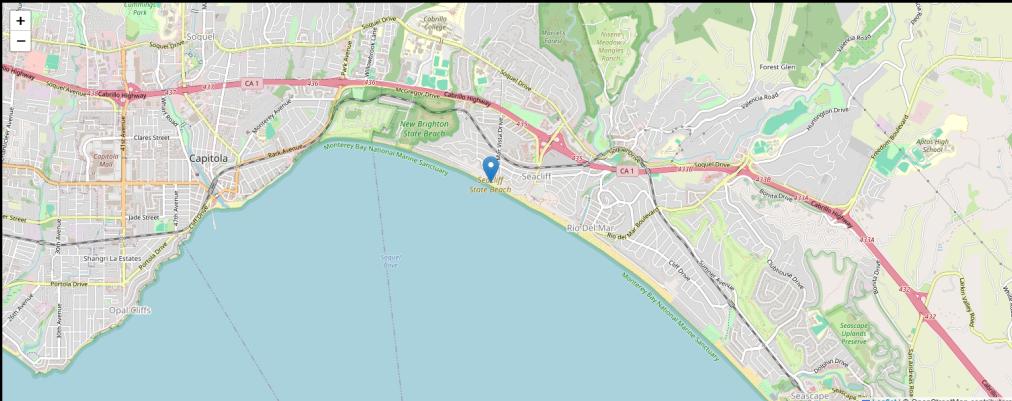
Event Date
2025-07-05

Add Photos



Click or drag photo to replace

Select a Location
seaciff state beach Search



Selected: Seaciff State Beach, Capitola, Santa Cruz County, California, United States

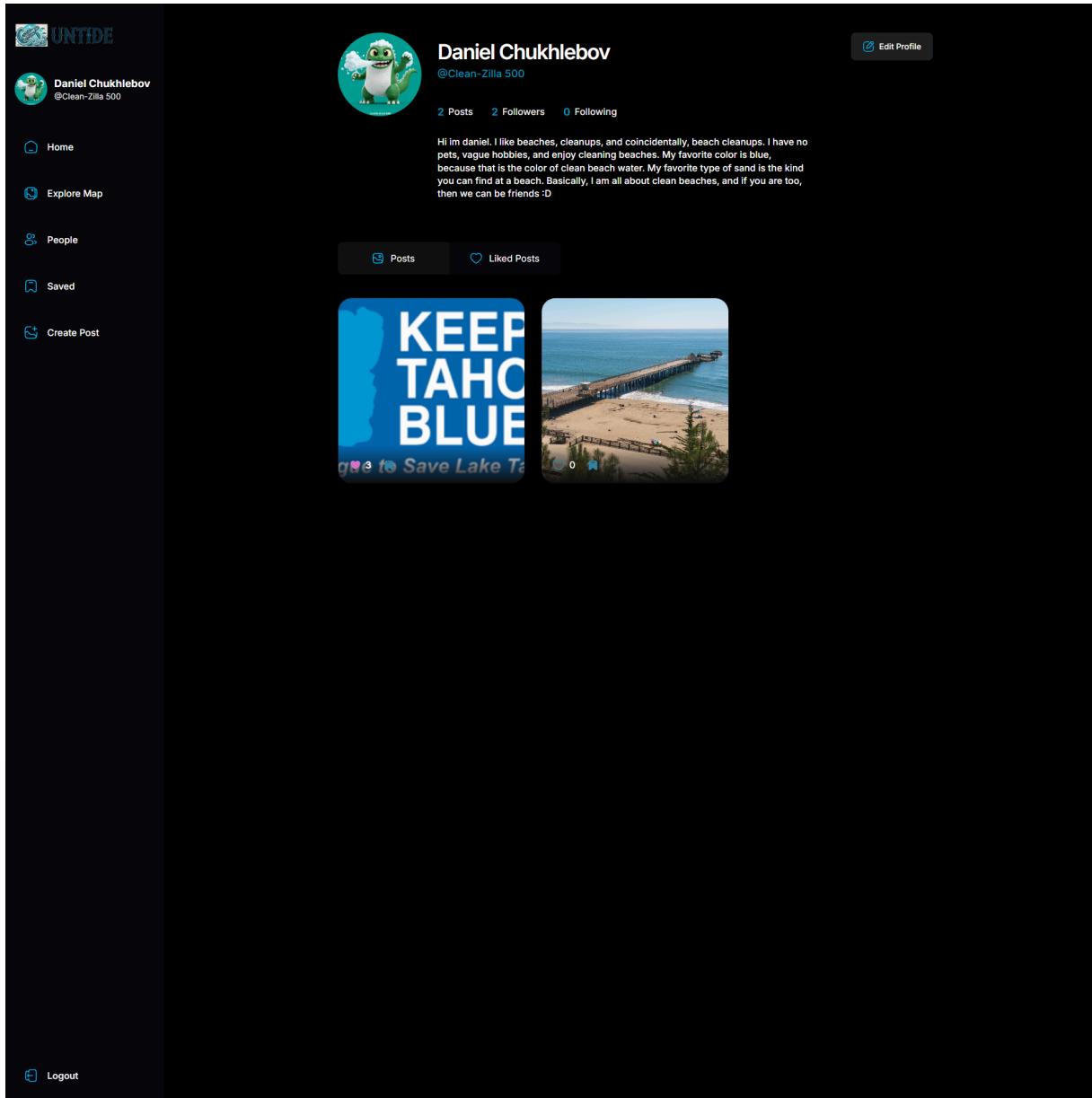
Add Tags (separated by comma ",")
seaciffcleanup

Logout

In the Create Post, users can create publicly viewable beach cleanup events. Users can enter a caption for the event and provide a summary and description of the beach cleanup. They can also enter the event date, add an image, select the cleanup location, and add relevant tags. Creating a post immediately adds it to the Home Feed. *this image has been zoomed out to view all functions of the Create Post pag

IX. User Profile

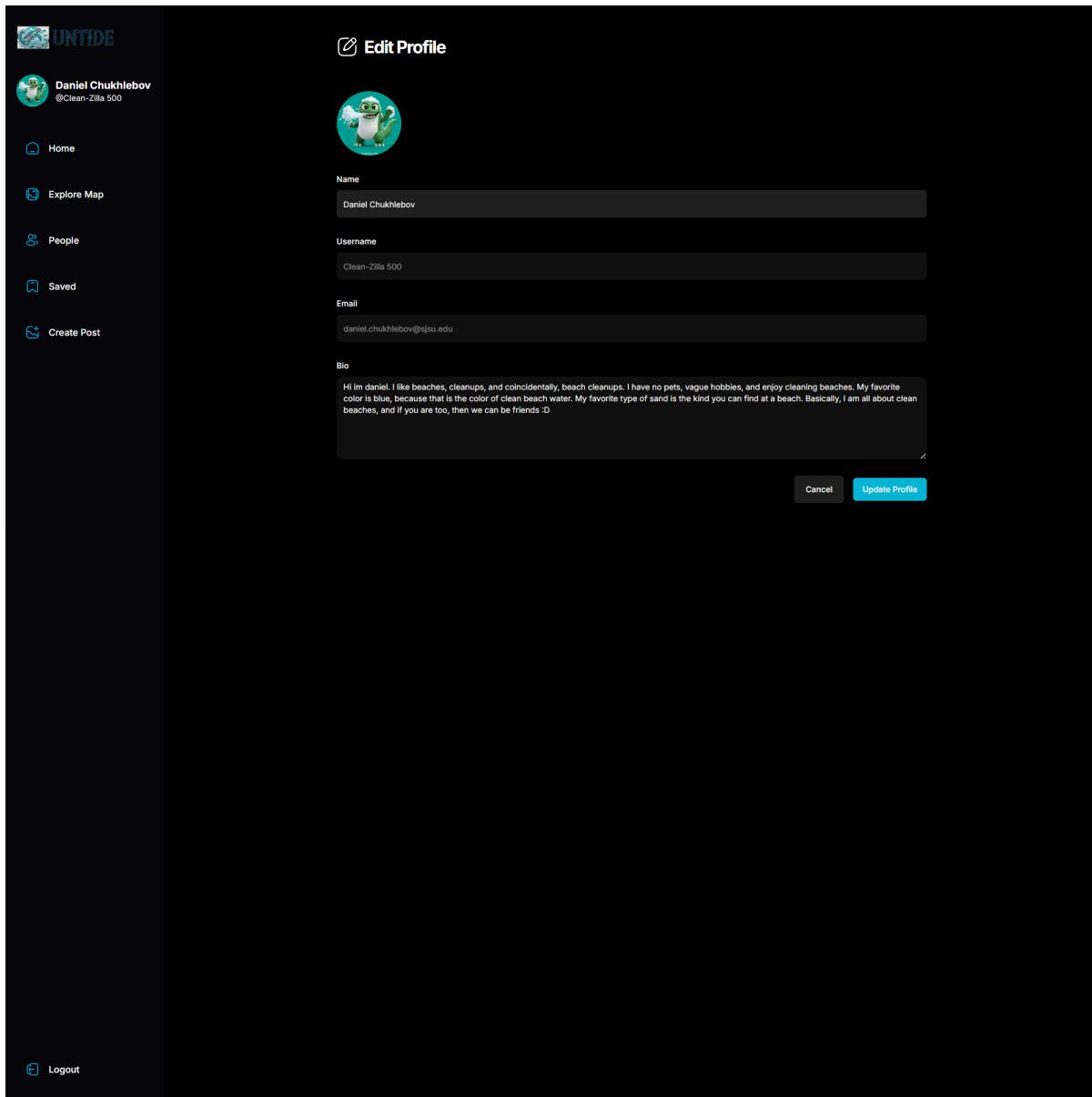
Users on UnTide have their own profiles, which feature useful information about them.



On a user's profile page, other users can see their name, account username, the number of posts they have created, the number of followers their account has, the number of accounts they are following, an account bio, and their posts and posts they have liked. If a user visits their own profile page, they can edit its details by clicking on the 'Edit Profile' button in the top right corner of the page.

X. Edit Profile

Users can edit their profile details on this page.



On the Edit Profile page, a user can edit the details of their account. They may change the account's profile picture and username. They may also change the email address that the account is tied to. The edit page also allows users to add an optional bio to their account, in order to further personalize their profile.

Clicking 'Update Profile' will immediately apply any new changes to the user profile.